PTO-1302 (Rev. 03-205)
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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  ATTORNEY'S DOCKET NUMBER 2590.0030002/EJH/UWJ					
co	CONCERNING A SUBMISSION UNDER 35 U.S.C. 371  U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/561,780				
INTERN	ATIONAL APPLICATION NO. PCT/EP2004/006698	INTERNATIONAL FILING DATE 21 June 2004 (21.06.04)	PRIORITY DATE CLAIMED 20 June 2003 (20.06.03)		
TITLE O	E INVENTION	In Embryonic Stem (ES) Cell			
	ANT(S) FOR DO/EO/US				
Eugene KOLOSSOV et al.  Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1.		ncerning a submission under 35 U.S.C. 371	·		
2. X	This is a SECOND or SUBSEQUENT s	submission of items concerning a submission	n under 35 U.S.C. 371.		
3. X	This is an express request to begin nati (5), (6), (9) and (21) indicated below.	onal examination procedures (35 U.S.C. 37	1(f)). The submission must include items		
4. 🗆	The US has been elected (Article 31).				
s. 🔲	A copy of the International Application	n as filed (35 U.S.C. 371(c)(2))			
	a. is attached hereto (required	only if not communicated by the Internation	al Bureau).		
	b.  has been communicated by	the International Bureau.			
	c. Is not required, as the appli	cation was filed in the United States Receiving	ng Office (RO/US).		
3. 🗆	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
	a. Is attached hereto.				
_	<ul> <li>b.  has been previously submit</li> </ul>	tted under 35 U.S.C. 154(d)(4).			
7. 🗀	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
	a. are attached hereto (required only if not communicated by the International Bureau).				
	b. Ave been communicated by the International Bureau.				
	c. have not been made; however, the time limit for making such amendments has NOT expired.				
	d. have not been made and				
в. Ц	An English language translation of the	ne amendments to the claims under PCT Ar	ticle 19 (35 U.S.C. 371(c)(3)).		
9. X	An oath or declaration of the inventor				
10	An English language translation of th Article 36 (35 U.S.C. 371(c)(5)).	e annexes of the International Preliminary E	xamination Report under PCT		
Iten	ns 11 to 20 below concern document(s	s) or information included:			
11. 🔲	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.			
12. 🔲	An assignment document for recording	ng. A separate cover sheet in compliance wi	th 37 CFR 3.28 and 3.31 is included.		
13. 🔲	A preliminary amendment.				
14. 📙	An Application Data Sheet under 37	CFR 1.76.			
15.	A substitute specification.				
16. 🔲	A power of attorney and/or change of				
17. 🔲	A computer-readable form of the seq	uence listing in accordance with PCT Rule	13fer.2 and 37 CFR 1.821- 1.825.		
18. 🖳	A second copy of the published Inter	national Application under 35 U.S.C. 154(d)	(4).		
19. 🗀	A second copy of the English langua	ge translation of the international application	under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete from the USPTO. Time will very depending upon the individual case, have, comments on the amount of time you require to complete the form the USPTO. Time will very depending upon the endividual case, have, comments on the amount of time you require to complete the form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trasteriant Office, U.S. Department of Commence, P.O. Box 1450, Alexandra, V.A. 2531-1450. D. ONT STEMO FEES OR COMMETTED FORMST OTHIS DISTORESS OTHER MISSTORY THIS ADDRESS STOR OTHIS Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Page 1 of 3

PTO-1390 (Rev. 09-2008)
Approved for use through 331/2007. OMB 0651-0021
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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER				
10/561,780 PCT/EP2004/006698		4/006698	2590.0030002/EJH/UWJ			
20. Other items or information:						
The following fees have been submitted					CALCULATIONS	PTO USE ONLY
	·				\$	
22.	nination fee (37 CF	R 1492(c))				
Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISAUS or the international preliminary examination report prepared by IPEAUS indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$		
23. Search fee (37 CFR 1.492(b)) if the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates at Idams satisfy provisions of PCT Article 33(1)-(4)			\$			
	TOTAL OF 21, 22	2 and 23 =			0	
☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.82(t) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.49(2))).  Total Sheets Extra Sheets Extra Sheets Warder of each additional 50 or fraction thereof.  Total Sheets Table 1 Extra Sheets Extra Sheets Total Sheets Extra Sheets Table 1 Extra Sheets						
400 -	/50 =	androon (round	<b>ap</b> 10 a 111010 11211	× \$250	s	
-100 =   /50 =   x \$250  Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).			\$			
CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
Total claims		- 20 =		× \$50	\$	
Independent claims		-3=		× \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360			\$			
				CALCULATIONS =	\$ 0	
Applicant cla	aims small entity st	atus. See 37 CF	R 1.27. Fees above are reduc	ed by 1/2.		
				SUBTOTAL =	\$ 0	
Processing fee o	f \$130.00 for fumi date (37 CFR 1.49)	shing the English 2(i)).	translation later than 30 mont	hs from the earliest +	\$	
			TOTAL	NATIONAL FEE =	\$ 0	)
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			\$			
TOTAL FEES ENCLOSED =			\$ 0	)		
					Amount to be refunded:	\$
					Amount to be	\$

693,376

PTC 1308 (ptc. 90.2008)
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless flaships; avail CMS control charge.

а. 🗌	A check in the amount of \$ to cover the above fees is enclosed.
b. 🗆	Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.
c. 🔀	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. $\frac{19-0036}{1}$ . A duplicate copy of this sheet is enclosed.
d. X	Fees are to be charged to a credit card. MARNINC: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. The PTO-2038 found only be mailed or faxed to the USPTO. However, when paying the basic reational fee, the PTO-2038 may NOT be faxed to the USPTO.
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NOTE: V and gra	Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed nted to restore the International Application to pending status.
SEND A	ALL CORRESPONDENCE TO:
	USTOMER NUMBER 26111 SERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.    Signature   Ulrike Winkler Jenks
	(COOTION NOTIONAL)

## Declaration for Patent Application

Docket Number: 2590.0030002/EJH/UWJ

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is gought on the invention entitled Tissue Modeling In Embryonic Stem (ES) Cell System, the specification of which is attached hereto unless the following box is checked:

was filed as United States Application Number 10/561,780; which is a National Phase entry of International Application Number PCT/EP04/06698; I.A. filed June 21, 2004.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hirreby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filling date before that of the application on which niority is claimed.

Prior Foreign Applications(s):

Priority Claimed

03013980.2 Europe (Application No.) (Country), 20 June 2003 (Day/Month/Year Filed)

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Appl. No. 10/561,780 Docket No. 2590.0030002/EJH/UWJ

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may joepardize the validity of the application or any patent issued thereon.

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